

### **DETAILED ACTION**

1. In view of the appeal brief filed on 02/14/2011, PROSECUTION IS HEREBY REOPENED. Allowable subject matter set forth below.

To avoid abandonment of the application, appellant must exercise one of the following two options:

(1) file a reply under 37 CFR 1.111 (if this Office action is non-final) or a reply under 37 CFR 1.113 (if this Office action is final); or,

(2) initiate a new appeal by filing a notice of appeal under 37 CFR 41.31 followed by an appeal brief under 37 CFR 41.37. The previously paid notice of appeal fee and appeal brief fee can be applied to the new appeal. If, however, the appeal fees set forth in 37 CFR 41.20 have been increased since they were previously paid, then appellant must pay the difference between the increased fees and the amount previously paid.

A Supervisory Patent Examiner (SPE) has approved of reopening prosecution by signing below:

/Jared J. Fureman/

Supervisory Patent Examiner, Art Unit 2836.

### **EXAMINER'S AMENDMENT**

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Kenneth Fafrak on May 23, 2011. The following items were amended:

- a. Claim 1, line 10, - - wherein the auxiliary voltage source is connected in series with a rectifier diode, the series combination of the auxiliary voltage source and the rectifier diode connected in parallel with the coil to rapidly discharge the current of the coil, and - - has been added after the term "source,".
- b. Claim 6, line 10, - - wherein the auxiliary voltage source is connected in series with a rectifier diode, the series combination of the auxiliary voltage source and the rectifier diode connected in parallel with the coil to rapidly discharge the current of the coil, and - - has been added after the term "source,".

#### ***Allowable Subject Matter***

3. Claims 1-3 and 5-9 are allowed.
4. Regarding claims 1 and 6, the proposed modification would render the prior art invention being modified unsatisfactory for its intended purpose. Therefore, when Takizawa modifies in according to Howell the system operates in an AC system renders the device unsatisfactory for its intended purpose. That is, it would no longer be usable with a battery in a vehicle that does not supply AC current.

#### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TIEN MAI whose telephone number is (571)270-1277.

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The examiner can normally be reached on M-Th: 8:00-7:00. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rexford Barnie can be reached on 571-272-7492. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

/Tien Mai/  
Examiner, Art Unit 2836  
05/25/2011

/Jared J. Fureman/  
Supervisory Patent Examiner, Art  
Unit 2836